

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H03M13/27

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

X	US 6 625 234 B1 (CUI JIAN ET AL)	Relevant to claim No.
х	US 6 625 234 B1 (CUI JIAN FT AL)	
	23 September 2003 (2003-09-23) figure 2	1-4,7, 9-14,17, 19-34
	abstract	
	column 3, line 29 - column 5, line 15	
X	US 6 314 534 B1 (ZOU QIUZHEN ET AL) 6 November 2001 (2001-11-06) cited in the application figures 2,3 abstract	1-34
	column 3, line 16 - line 18 column 2, line 25 - line 28 column 1, line 51 - line 63	
	column 3, line 57 - column 4, line 20	
	-/	

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 12 May 2005	Date of mailing of the international search report 27/05/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Winkler, G



Interior onal Application No
PCT/EP2005/002221

		PCT/EP2005/002221	
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Α	WO 00/60751 A (SAMSUNG ELECTRONICS CO LTD) 12 October 2000 (2000-10-12) page 6, line 14 - line 24	4	
A		1-34	

INTERNATIONAL SEARCH REPORT

Information on patent family members

Interior on Application No PCT/EP2005/002221

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 6625234	B1 23-09-2003	BR	9916067 A	29-01-2002
		CA	2357613 A1	15-06-2000
		CN	1381095 A	20-11-2002
		DE	69909649 D1	21-08-2003
		DE	69909649 T2	04-03-2004
		EP	1138121 A1	04-10-2001
		HK	1038653 A1	10-10-2003
		WO	0035101 A1	15-06-2000
		JP	2002532939 T	02-10-2002
		MX	PA01005902 A	30-08-2002
US 6314534	B1 06-11-2001	 AU	4059000 A	16-10-2000
		CN	1345486 A ,C	17-04-2002
		ΕP	1166450 A1´	02-01-2002
		JP	2002540712 T	26-11-2002
		WO	0059117 A1	05-10-2000
WO 0060751	A 12-10-2000	KR	2000066035 A	15-11-2000
		ΑU	746913 B2	02-05-2002
		AU	3681700 A	23-10-2000
		BR	0005569 A	06-03-2001
		CA	2332990 A1	12-10-2000
		CN	1297616 A ,C	30-05-2001
		DE	60015272 D1	02-12-2004
		DE	60015272 T2	21-04-2005
		EP	1092270 A1	18-04-2001
		JP	3447270 B2	16-09-2003
		JP	2002541711 T	03-12-2002
		WO	0060751 A1	12-10-2000
		RU	2186460 C1	27-07-2002
		US	6590951 B1	08-07-2003